GRUNDIG

CAR audio
Service-Management

Service Manual

FIAT

AD 182 H
AD 185 H
AD 185 H (B)

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Zusätzlich erforderliche Unterlagen für den Komplettservice
Additionally required Documents for the Complete Service

Service Manual
Sicherheit Safety
Sach-Nr./Part No.
72010 800 0000

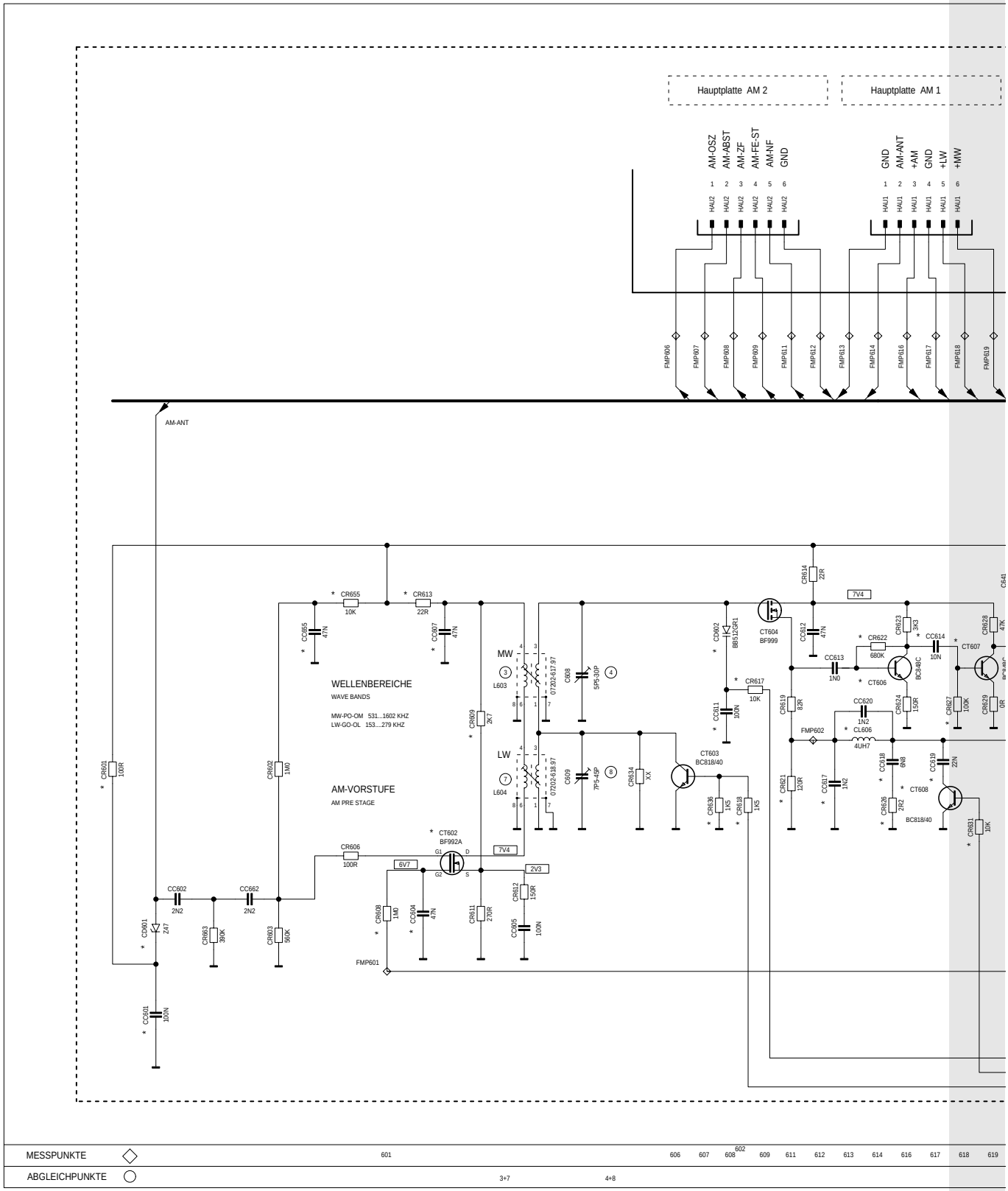
Dieses Service Manual ist nur in Datenform verfügbar
This Service Manual is only available as data

Änderungen vorbehalten
Subject to alteration

Made by GRUNDIG in Germany
VK233 1198 72010 792 7000

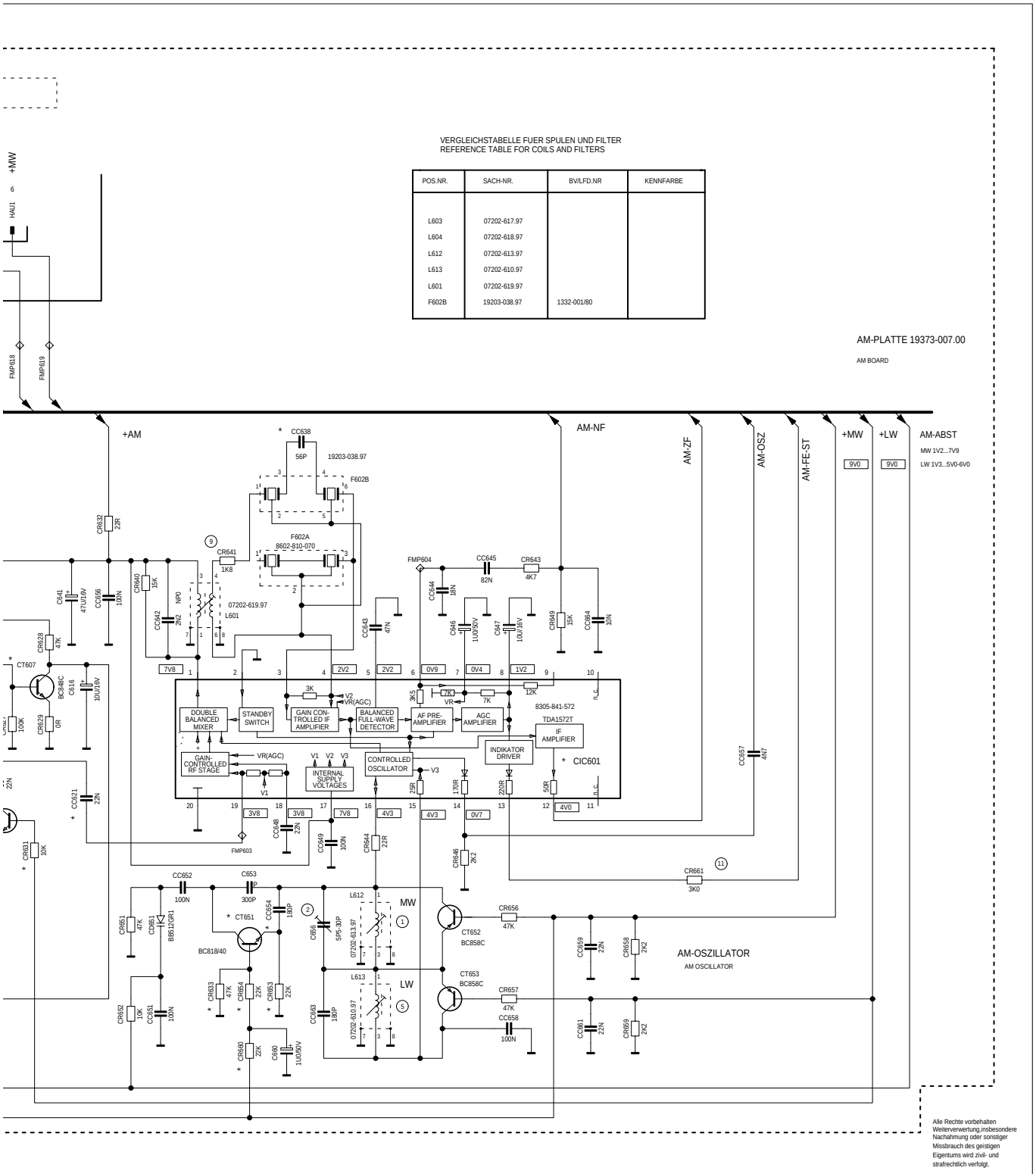
Schaltpläne und Druckplattenabbildungen / Circuit Diagrams and Layout of PCBs

AM-Platte / AM Board



VERGLEICHSTABELLE FUER SPULEN UND FILTER
REFERENCE TABLE FOR COILS AND FILTERS

POS.NR.	SACH-NR.	BV/LFD.NR	KENNFARBE
L603	07202-617.97		
L604	07202-618.97		
L612	07202-613.97		
L613	07202-610.97		
L601	07202-619.97		
F602B	19203-038.97	1332-001/80	



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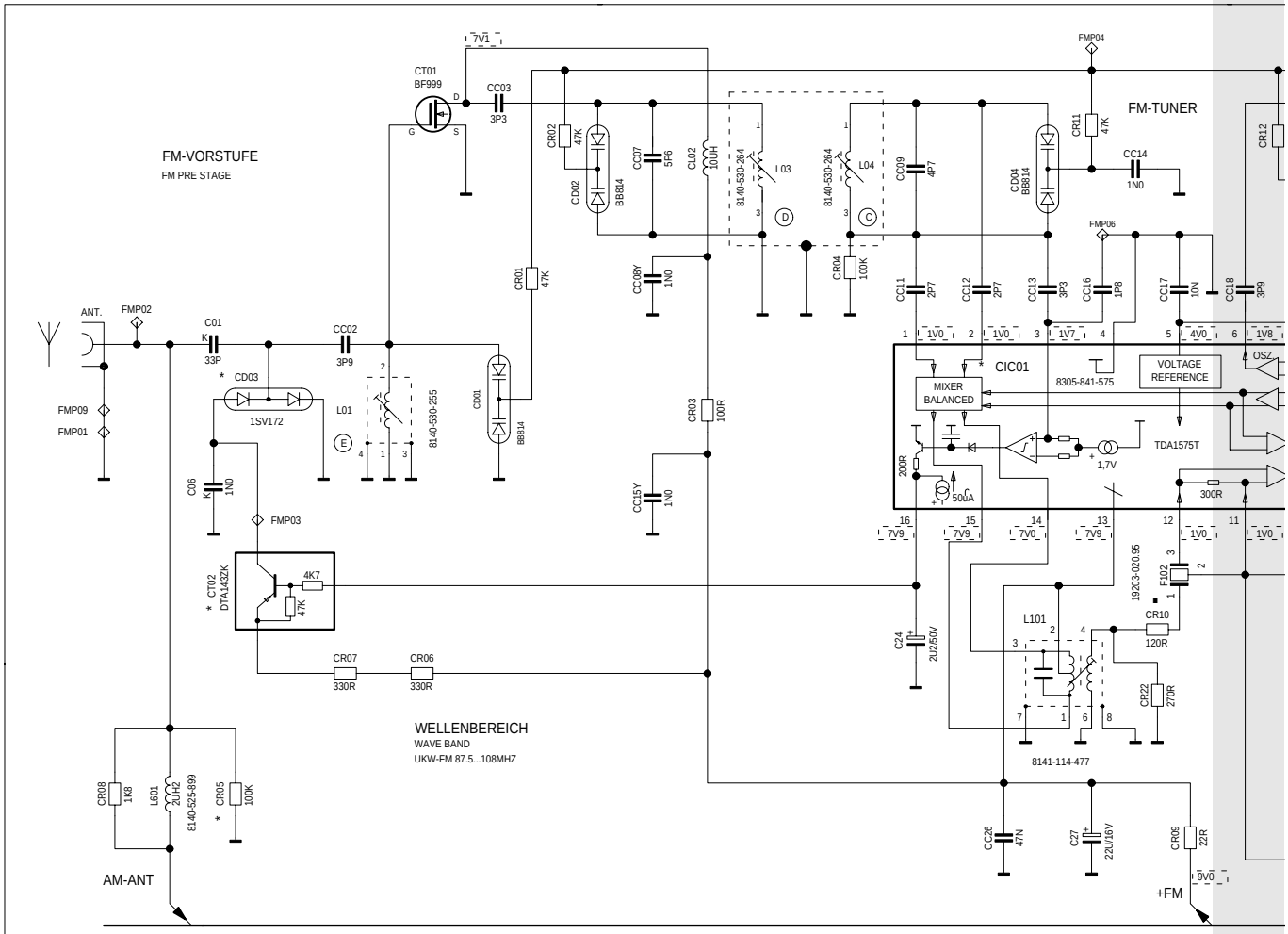
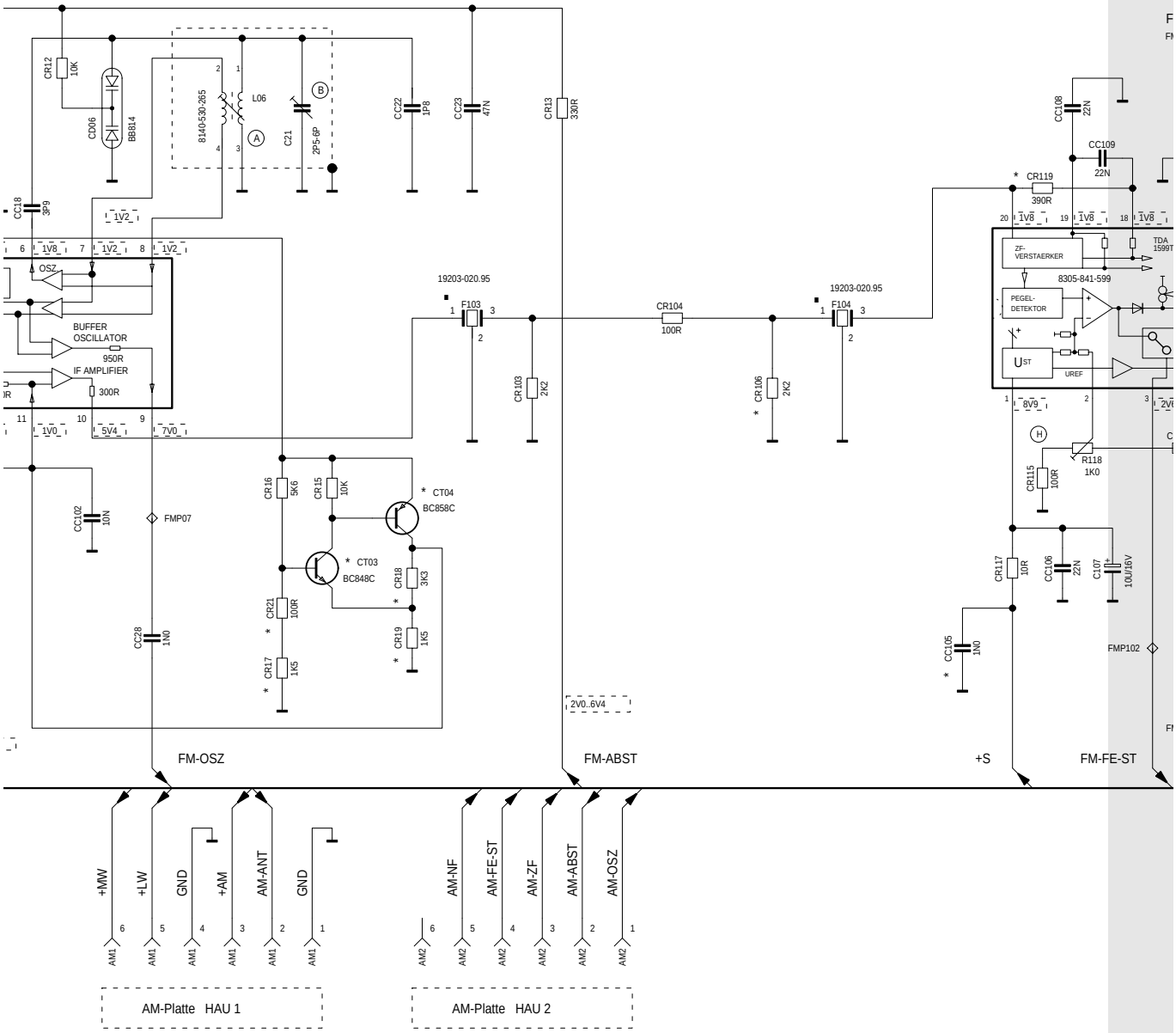
618 619 603 604

9 2 1+5 11

FM-Teil / FM Part

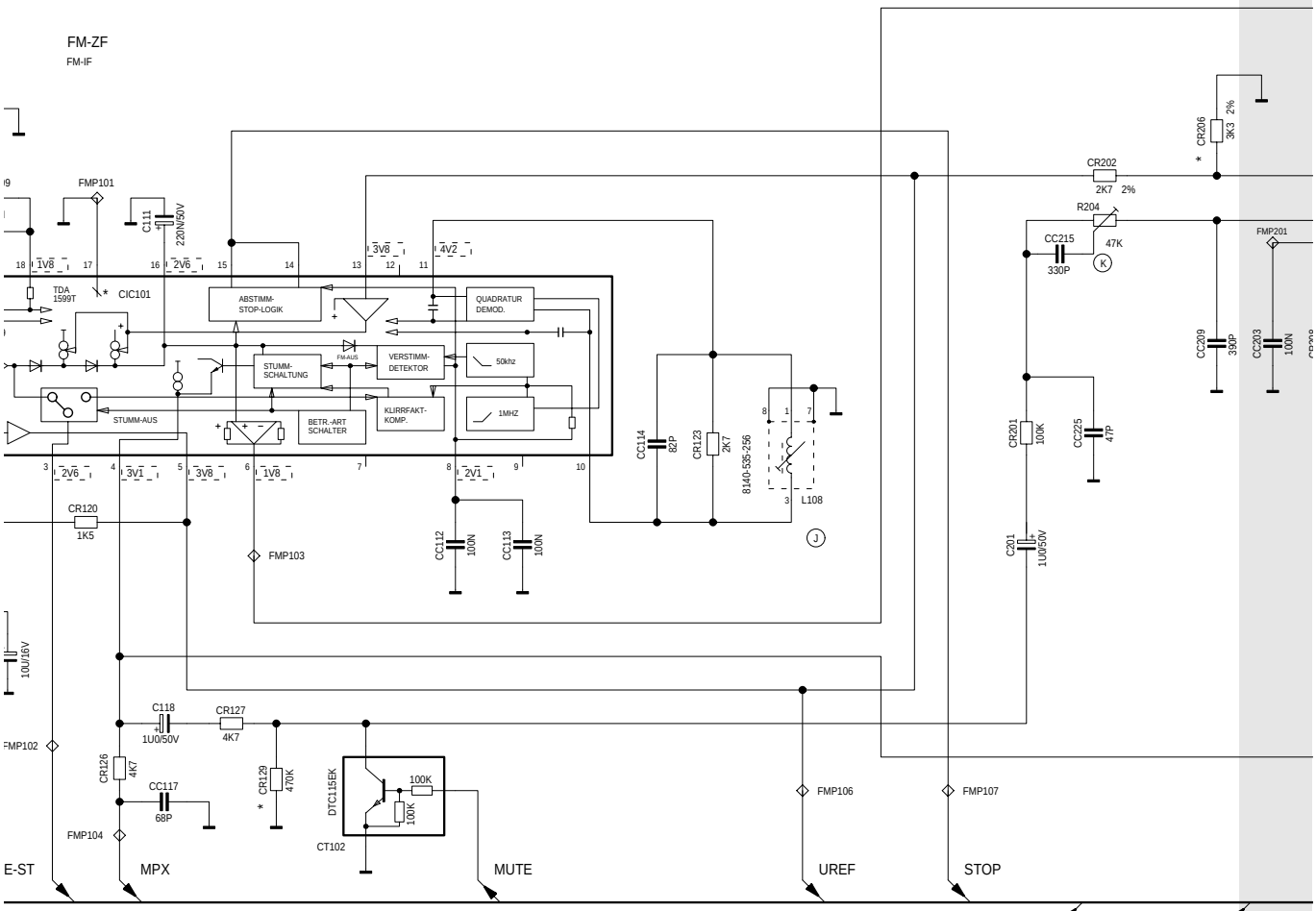


MESSPUNKTE	09 01	02		03	04+06
ABGLEICHPUNKTE		E		D	C


CR12 10K
CD06 BB814
8140-530.265
L06
C21 2P5-6P
CC22 1P8
CC23 47N
CR13 330R
CC18 3P9
1V2
OSZ
BUFFER OSCILLATOR
950R
IF AMPLIFIER
300R
1V0
5V4
7V0
19203-020.95
F103
CR103 2K2
CR104 100R
F104
CR106 2K2
CC102 10N
FMP07
CR16 5K6
CR15 10K
CT04 BC858C
CT03 BC848C
CR18 3K3
CR21 100R
CR19 1K5
CR17 1K5
CC28 1N0
2V0..6V4
CC108 22N
CC109 22N
CR119 390R
1V8
ZF-VERSTAERKER
TDA 1599T
8305-841-599
PEGEL-DETEKTOR
UST
UREF
8V9
R118 1K0
CR115 100R
CR117 10R
CC106 22N
C107 10U/16V
CC105 1N0
FMP102
FM-OSZ
FM-ABST
+S
FM-FE-ST
+MW
+LW
GND
+AM
AM-ANT
GND
AM-NF
AM-FE-ST
AM-ZF
AM-ABST
AM-OSZ
AM1
AM2
AM-Platte HAU 1
AM-Platte HAU 2

07 102

A B H

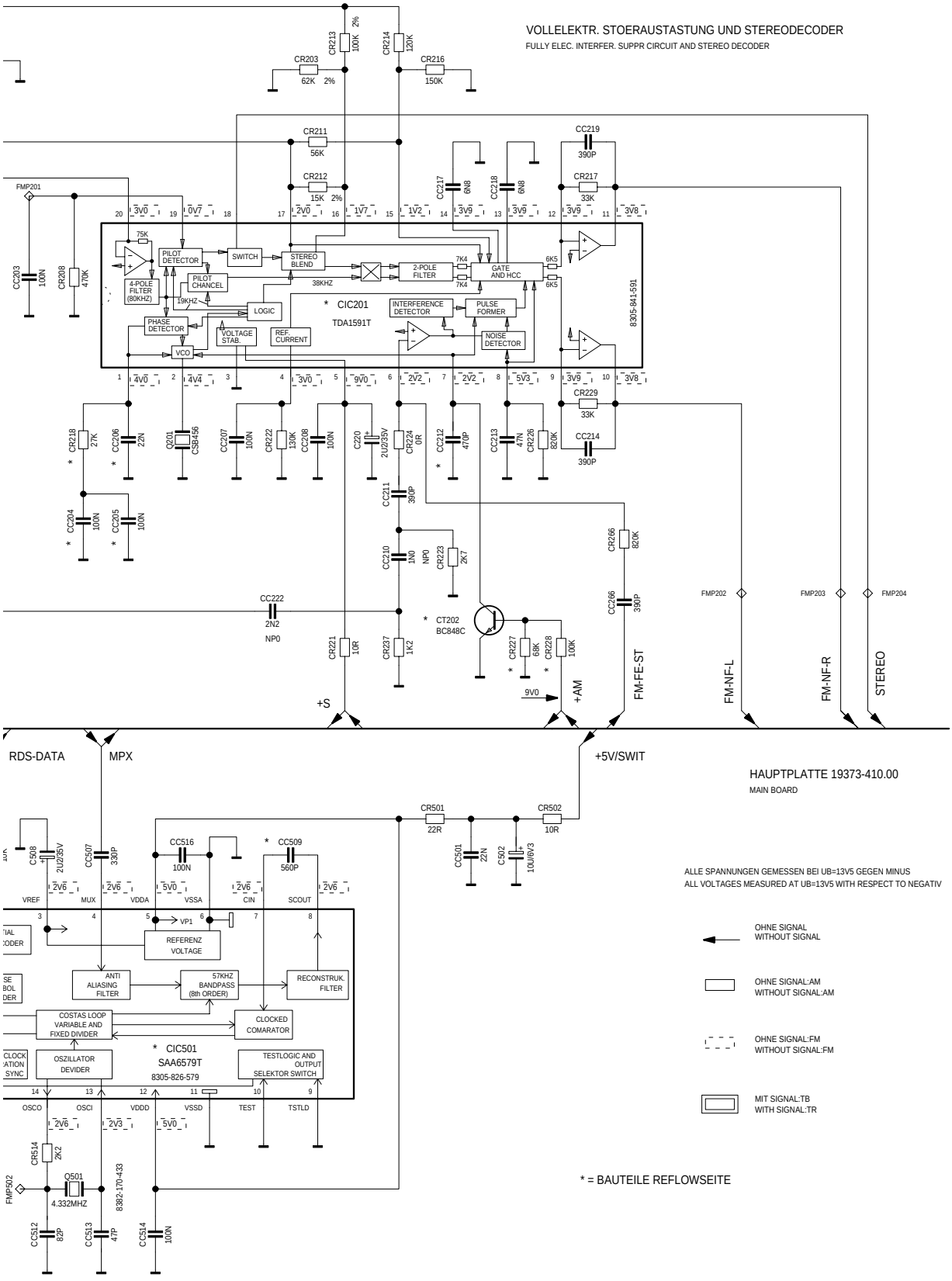


VERGLEICHSTABELLE FUER SPULEN UND FILTER
REFERENCE TABLE FOR COILS AND FILTERS

POS.NR	SACH-NR	BV/LFD.NR	KENNFARBE
L01	8140-530-255	1302-001 4/75	GR
L03	8140-530-264	1302-001 3/34	
L04	8140-530-264	1302-001 3/34	
L06	8140-530-265	1308-001 3/58	
L101	8141-114-477	1311-004/477	OR/GE/BL
L108	8140-535-256	1310-001/256	719
F102	19203-020.95	1332-002/A/70	
F103	19203-020.95	1332-002/A/70	
F104	19203-020.95	1332-002/A/70	
Q201	8602-331-001	1331-001/10	
Q501	8382-170-433	1330-003.00	

102 101+104 103 106 107 501 502+201

J K



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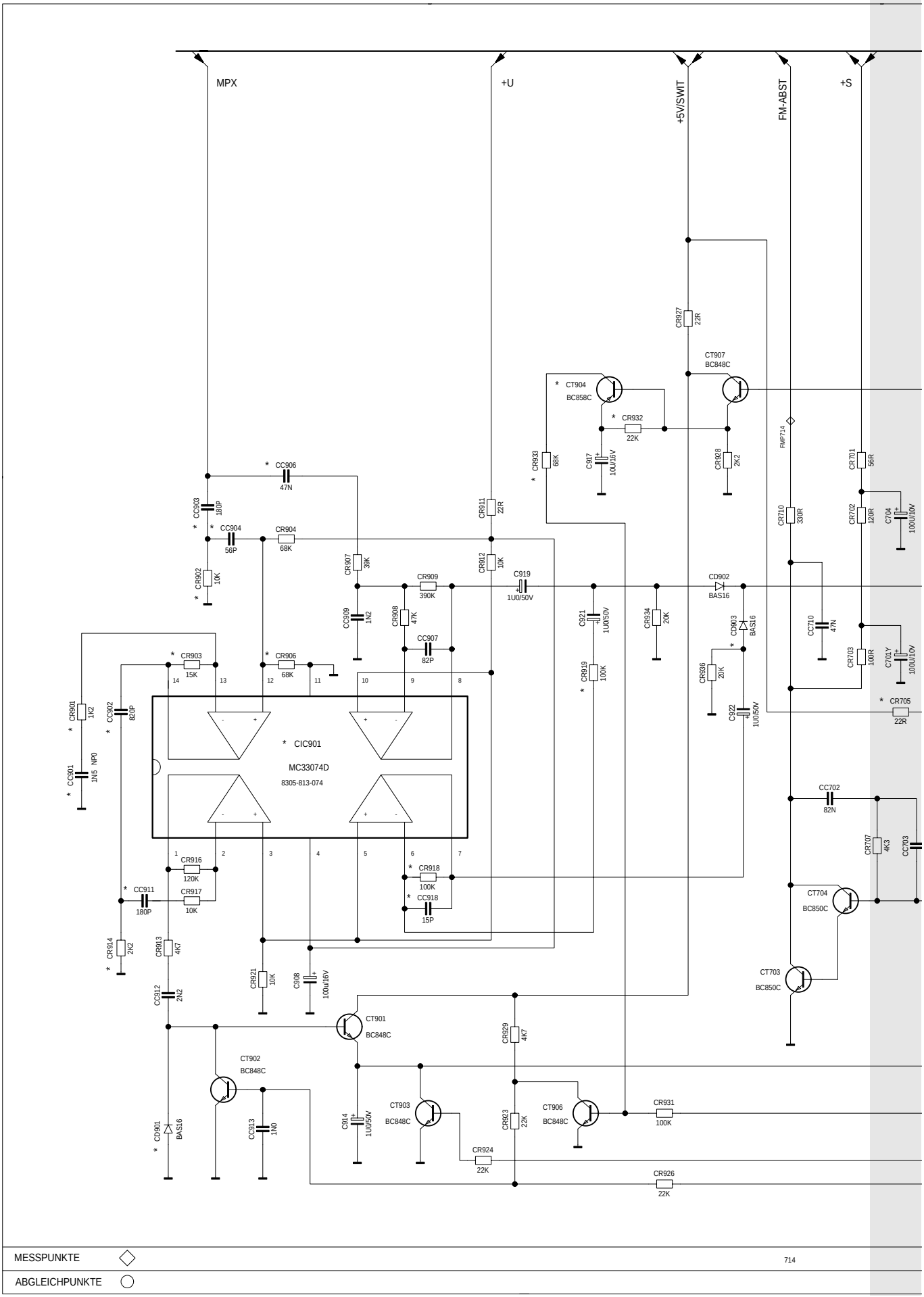
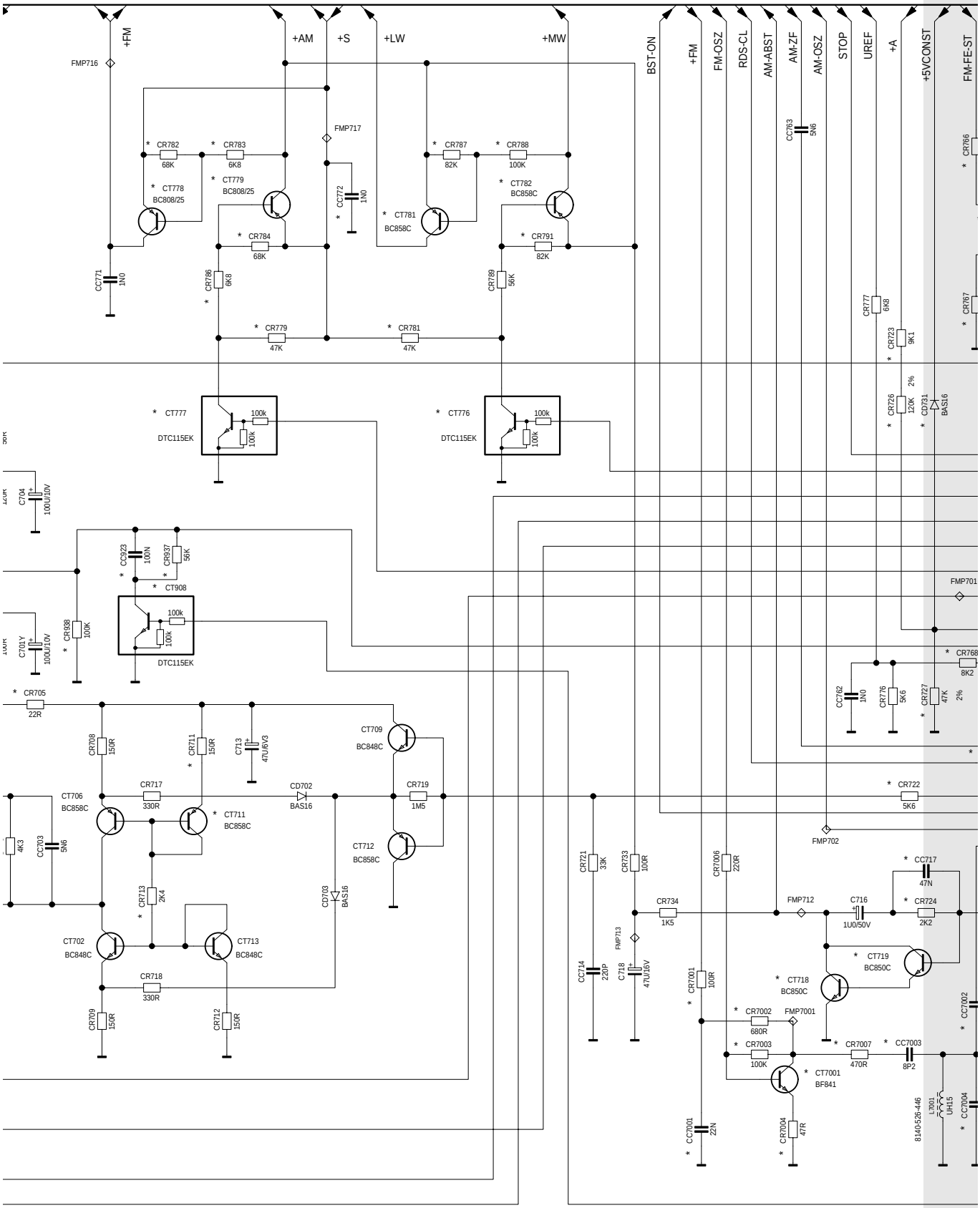
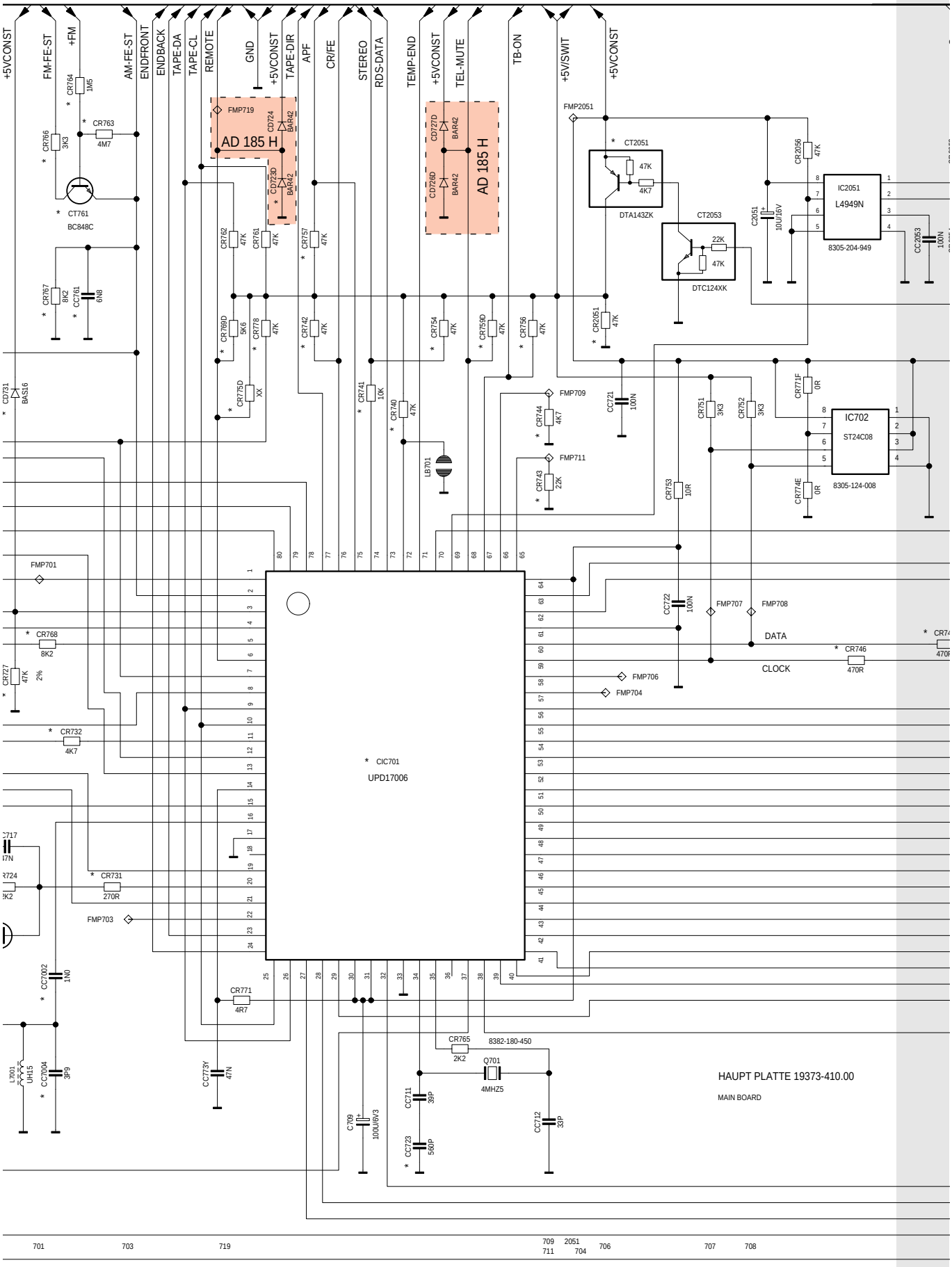
Prozessor-Teil / Processor Part

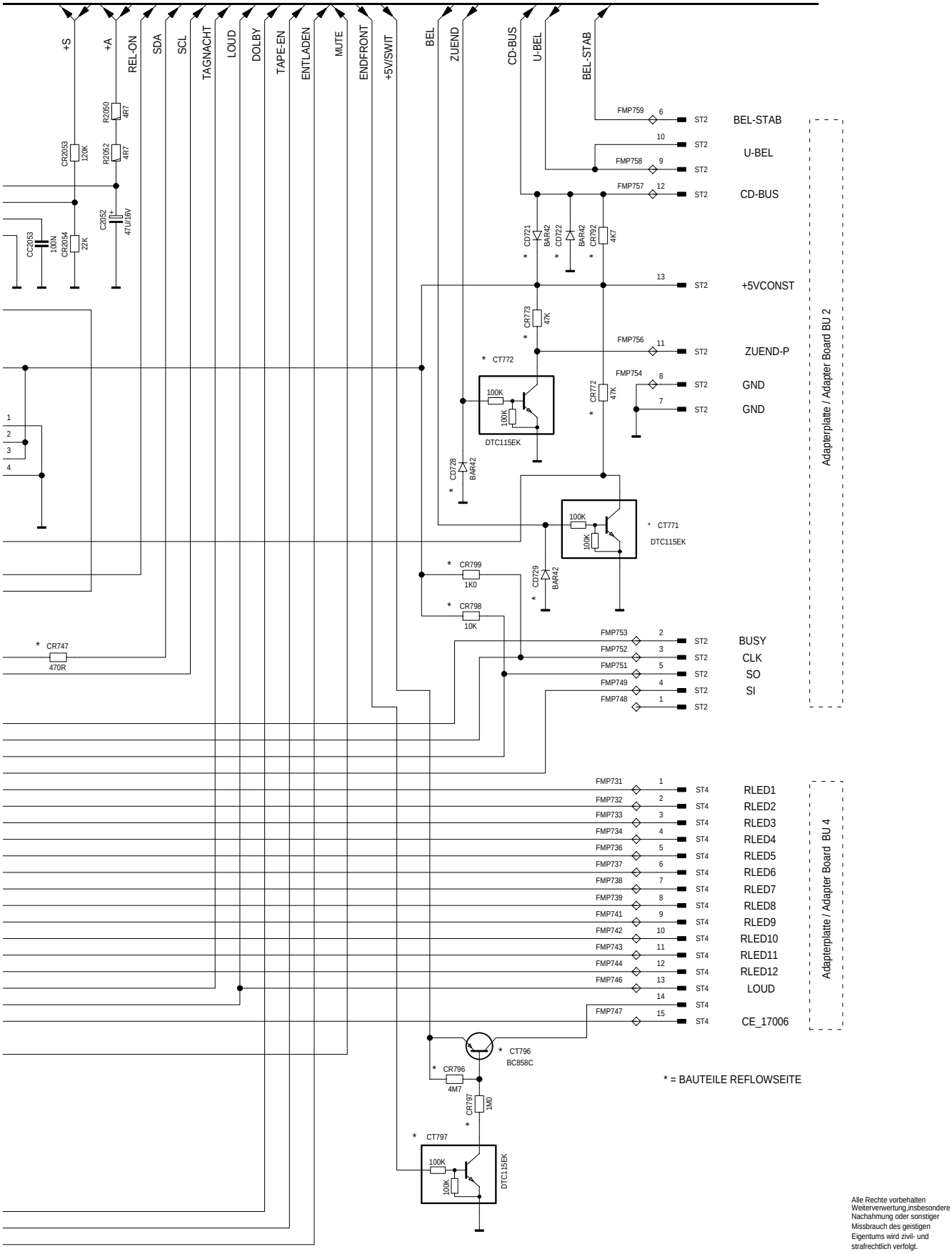




716 717 713 7001 712 702 701



701 703 719 709 711 2051 704 706 707 708


+S
+A
REL-ON
SDA
SCL
TAGNACHT
LOUD
DOLBY
TAPE-EN
ENTLADEN
MUTE
ENDFRONT
+5V/SWIT
BEL
ZUEND
CD-BUS
U-BEL
BEL-STAB
FMP759 6 ST2 BEL-STAB
10 ST2 U-BEL
FMP758 9 ST2
FMP757 12 ST2 CD-BUS
13 ST2 +5VCONST
FMP756 11 ST2 ZUEND-P
FMP754 8 ST2 GND
7 ST2 GND
Adapterplatte / Adapter Board BU 2
FMP753 2 ST2 BUSY
FMP752 3 ST2 CLK
FMP751 5 ST2 SO
FMP749 4 ST2 SI
FMP748 1 ST2
FMP731 1 ST4 RLED1
FMP732 2 ST4 RLED2
FMP733 3 ST4 RLED3
FMP734 4 ST4 RLED4
FMP736 5 ST4 RLED5
FMP737 6 ST4 RLED6
FMP738 7 ST4 RLED7
FMP739 8 ST4 RLED8
FMP741 9 ST4 RLED9
FMP742 10 ST4 RLED10
FMP743 11 ST4 RLED11
FMP744 12 ST4 RLED12
FMP746 13 ST4 LOUD
14 ST4
FMP747 15 ST4 CE_17006
Adapterplatte / Adapter Board BU 4
* = BAUTEILE REFLOWSEITE
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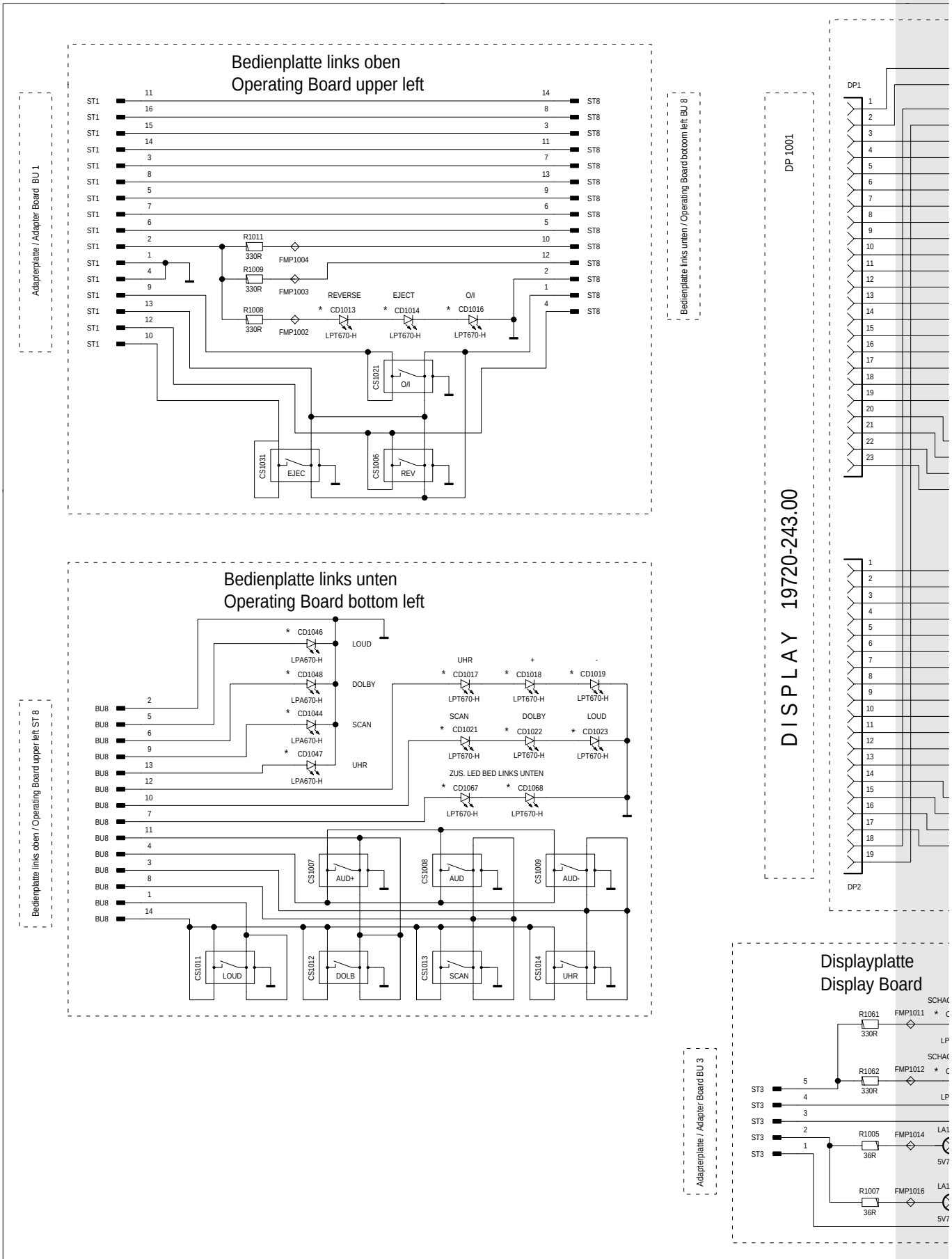
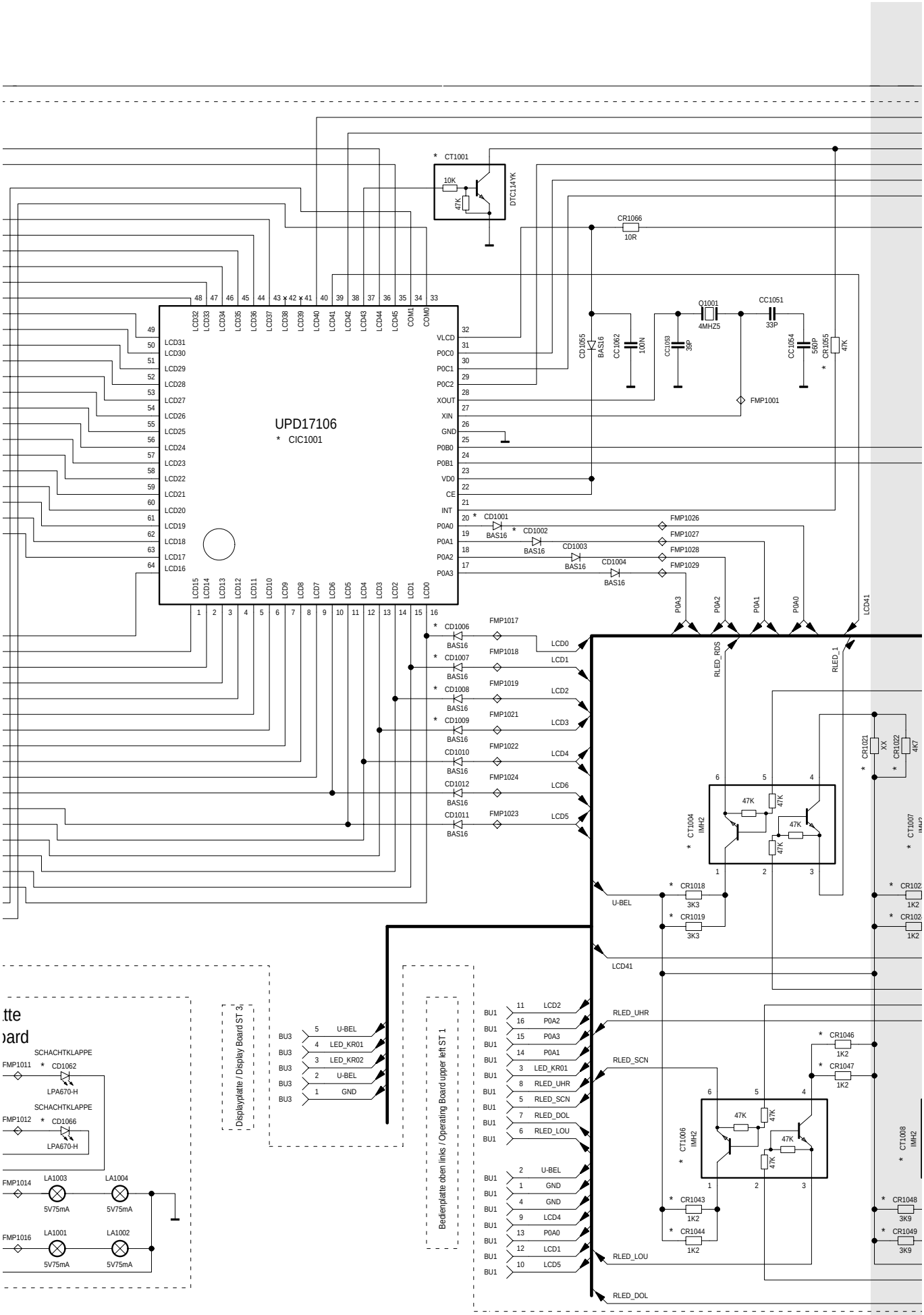
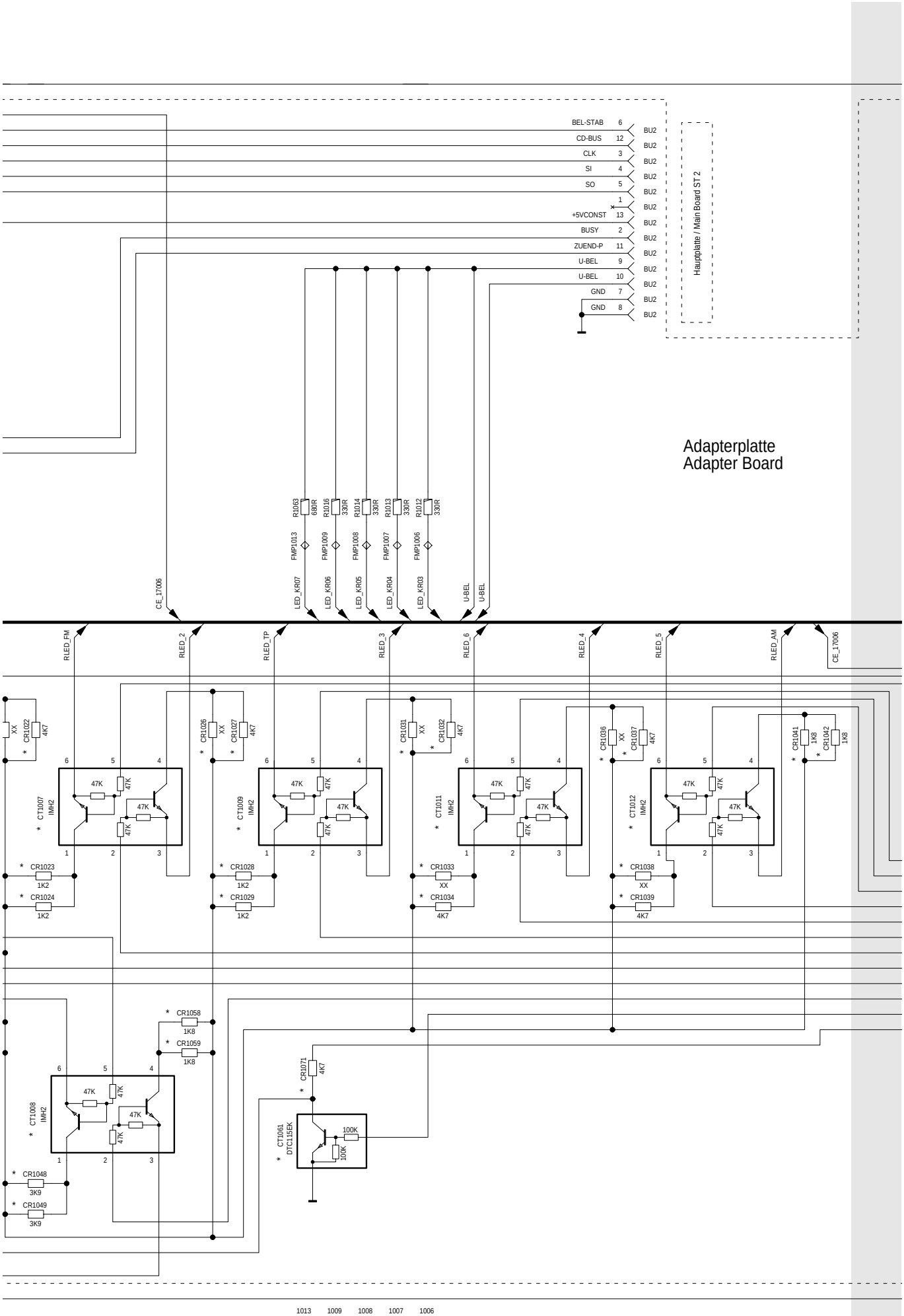
731 - 761

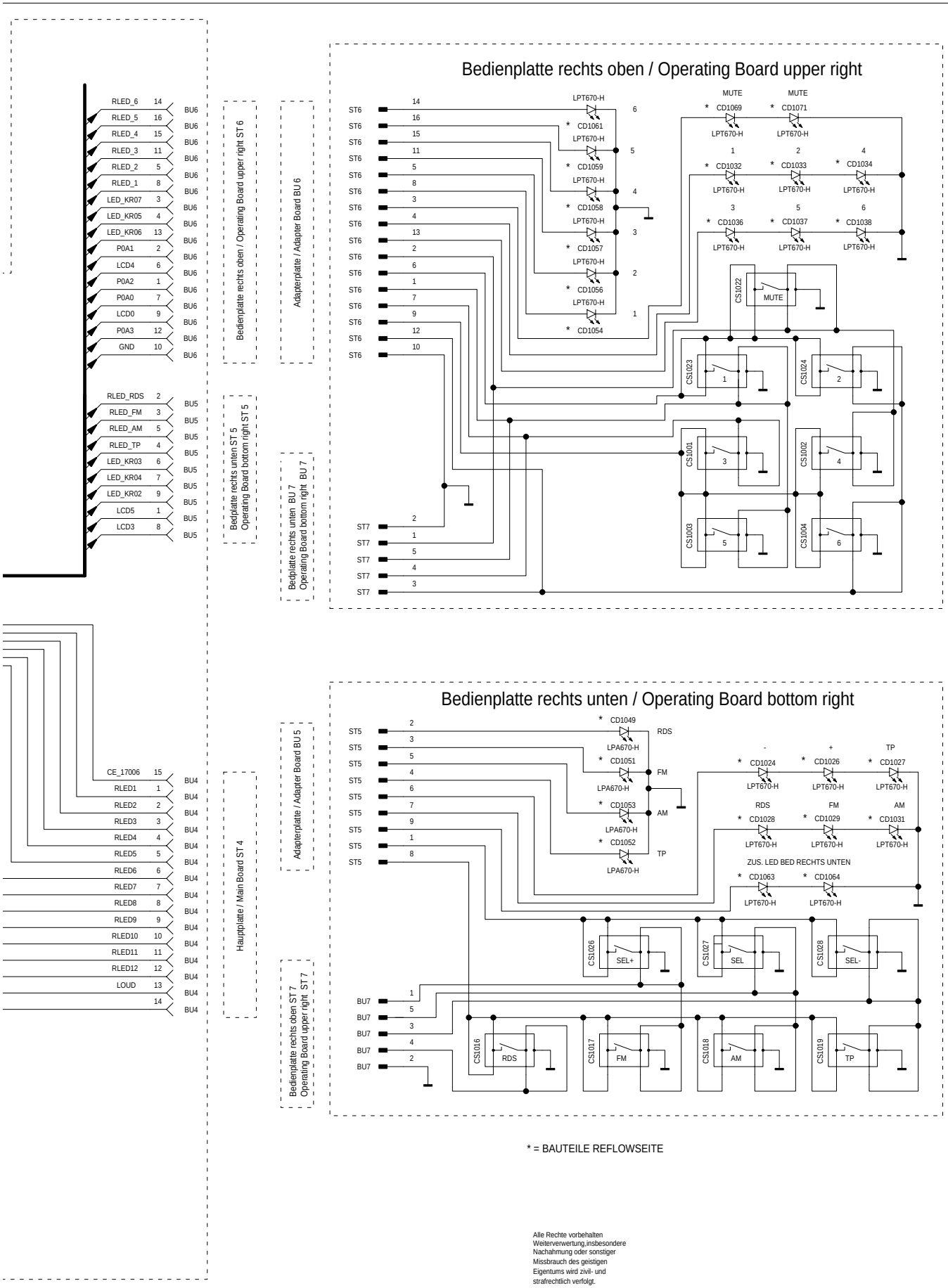
Bedien- und Adapterplatten / Operating and Adapter Boards



MESSPUNKTE ◇	1002-1004	1011-1012	1014-1016
ABGLEICHPUNKTE ○			


UPD17106
* CIC1001
* CT1001
DTC114YK
10K
47K
CR1066
10R
Q1001
4MHZ5
CC1051
33P
CD1055
BAS16
CC1062
100N
CC1053
39P
CC1054
560P
CR1055
47K
FMP1001
VLCD
P0C0
P0C1
P0C2
XOUT
XIN
GND
P0B0
P0B1
VD0
CE
INT
P0A0
P0A1
P0A2
P0A3
CD1001
CD1002
CD1003
CD1004
FMP1026
FMP1027
FMP1028
FMP1029
FMP1017
FMP1018
FMP1019
FMP1021
FMP1022
FMP1024
FMP1023
CD1006
CD1007
CD1008
CD1009
CD1010
CD1012
CD1011
LCD0
LCD1
LCD2
LCD3
LCD4
LCD6
LCD5
LCD41
RLED_RDS
RLED_1
CR1021
XX
CR1022
4K7
CT1004
IMH2
CT1007
IMH2
CR1018
3K3
CR1019
3K3
U-BEL
CR102
1K2
CR102
1K2
LCD41
RLED_UHR
RLED_SCN
RLED_LOU
RLED_DOL
CR1046
1K2
CR1047
1K2
CT1006
IMH2
CT1008
IMH2
CR1043
1K2
CR1044
1K2
CR1048
3K9
CR1049
3K9
Displayplatte / Display Board ST 3
Bedienplatte oben links / Operating Board upper left ST 1
SCHACHTKLAPPE
FMP1011
CD1062
LPA670-H
SCHACHTKLAPPE
FMP1012
CD1066
LPA670-H
FMP1014
LA1003
LA1004
5V75mA
5V75mA
FMP1016
LA1001
LA1002
5V75mA
5V75mA
U-BEL
LED_KR01
LED_KR02
U-BEL
GND
LCD2
P0A2
P0A3
P0A1
LED_KR01
RLED_UHR
RLED_SCN
RLED_DOL
RLED_LOU
U-BEL
GND
GND
LCD4
P0A0
LCD1
LCD5


BEL-STAB 6 BU2
CD-BUS 12 BU2
CLK 3 BU2
SI 4 BU2
SO 5 BU2
+5VCONST 13 BU2
BUSY 2 BU2
ZUEND-P 11 BU2
U-BEL 9 BU2
U-BEL 10 BU2
GND 7 BU2
GND 8 BU2
Hauptplatte / Main Board ST 2
Adapterplatte
Adapter Board
CE_17006
R1063 680R
R1016 330R
R1014 330R
R1013 330R
R1012 330R
FMP1013
FMP1009
FMP1008
FMP1007
FMP1006
LED_KR07
LED_KR06
LED_KR05
LED_KR04
LED_KR03
U-BEL
U-BEL
RLED_FM
RLED_2
RLED_TP
RLED_3
RLED_6
RLED_4
RLED_5
RLED_AM
CE_17006
CT1007 IMH2
CT1009 IMH2
CT1011 IMH2
CT1012 IMH2
CT1008 IMH2
CT1061 DTC115EK
47K
100K
CR1022 4K7
CR1026 XX
CR1027 4K7
CR1031 XX
CR1032 4K7
CR1036 XX
CR1037 4K7
CR1041 1K8
CR1042 1K8
CR1023 1K2
CR1024 1K2
CR1028 1K2
CR1029 1K2
CR1033 XX
CR1034 4K7
CR1038 XX
CR1039 4K7
CR1058 1K8
CR1059 1K8
CR1071 4K7
CR1048 3K9
CR1049 3K9
1013 1009 1008 1007 1006


Bedienplatte rechts oben / Operating Board upper right
Bedienplatte rechts unten / Operating Board bottom right
Bedienplatte rechts oben / Operating Board upper right ST 6
Adapterplatte / Adapter Board BU 6
Bedienplatte rechts unten ST 5 Operating Board bottom right ST 5
Bedienplatte rechts unten BU 7 Operating Board bottom right BU 7
Hauptplatte / Main Board ST 4
Adapterplatte / Adapter Board BU 5
Bedienplatte rechts oben ST 7 Operating Board upper right ST 7
RLED_6 RLED_5 RLED_4 RLED_3 RLED_2 RLED_1 LED_KR07 LED_KR05 LED_KR06 P0A1 LCD4 P0A2 P0A0 LCD0 P0A3 GND
RLED_RDS RLED_FM RLED_AM RLED_TP LED_KR03 LED_KR04 LED_KR02 LCD5 LCD3
CE_17006 RLED1 RLED2 RLED3 RLED4 RLED5 RLED6 RLED7 RLED8 RLED9 RLED10 RLED11 RLED12 LOUD
LPT670-H
LPA670-H
MUTE
RDS
FM
AM
TP
SEL+
SEL
SEL-
ZUS. LED BED RECHTS UNTEN
CS1022 CS1023 CS1024 CS1001 CS1002 CS1003 CS1004 CS1026 CS1027 CS1028 CS1016 CS1017 CS1018 CS1019

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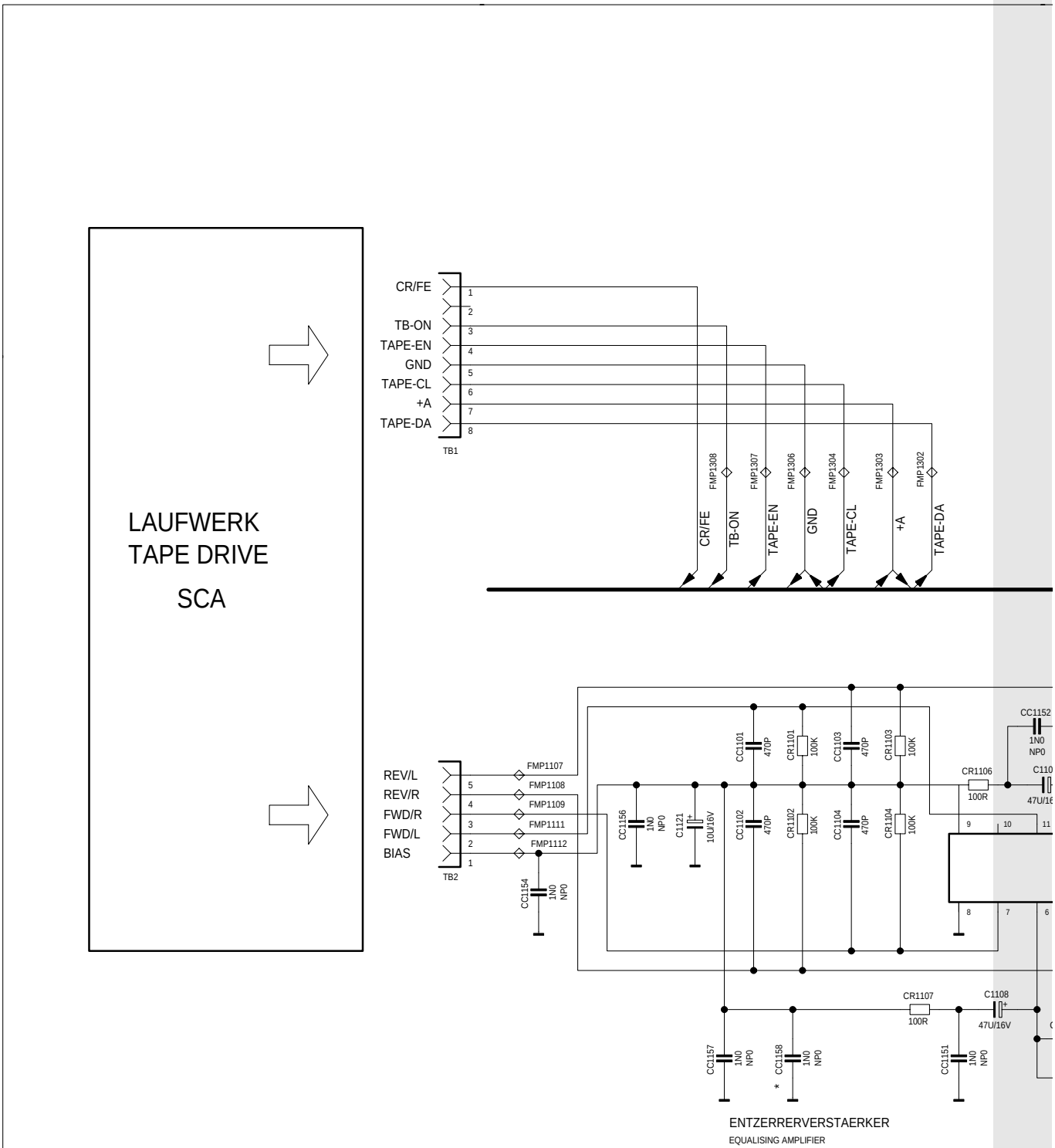
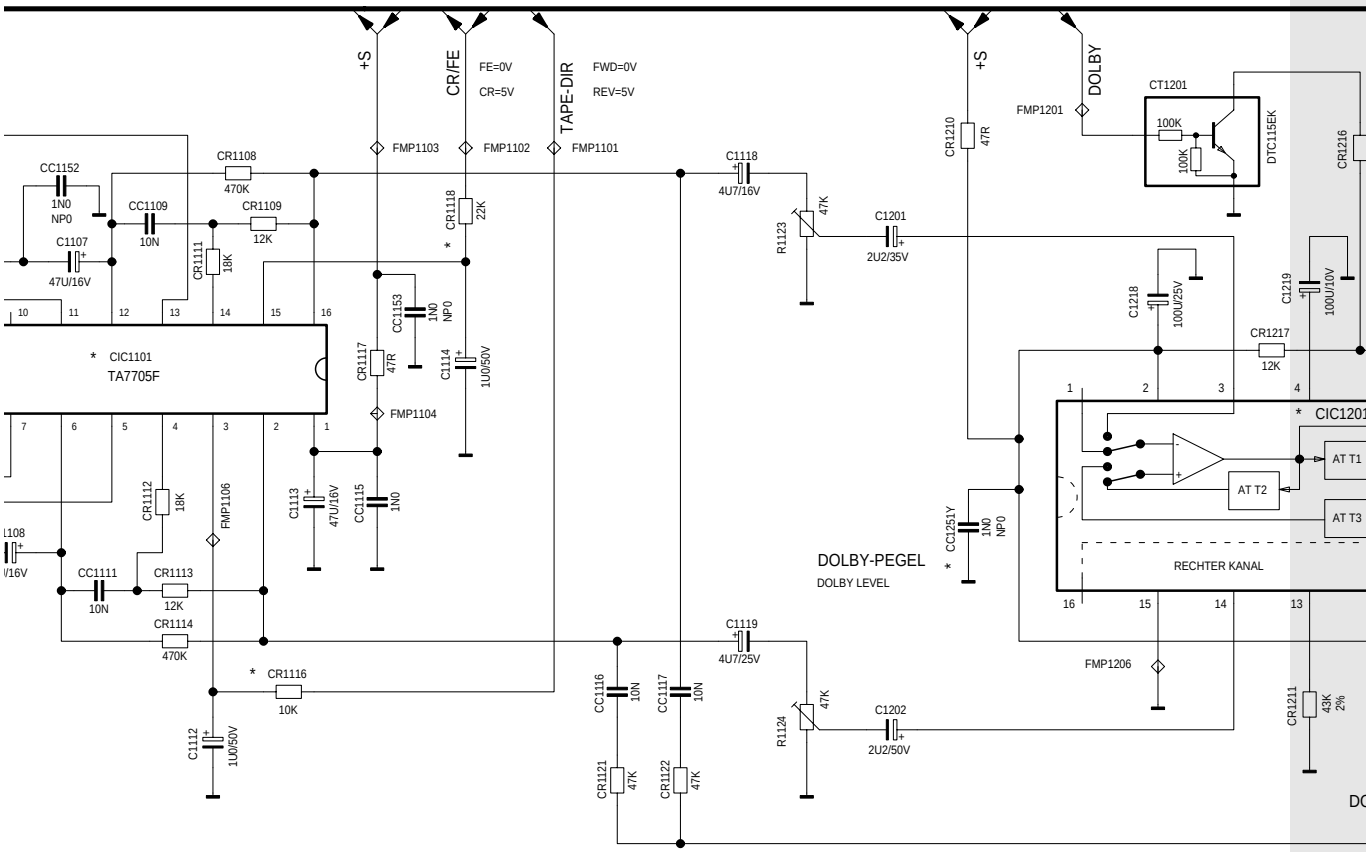
Cassetten-Teil / Cassette Part

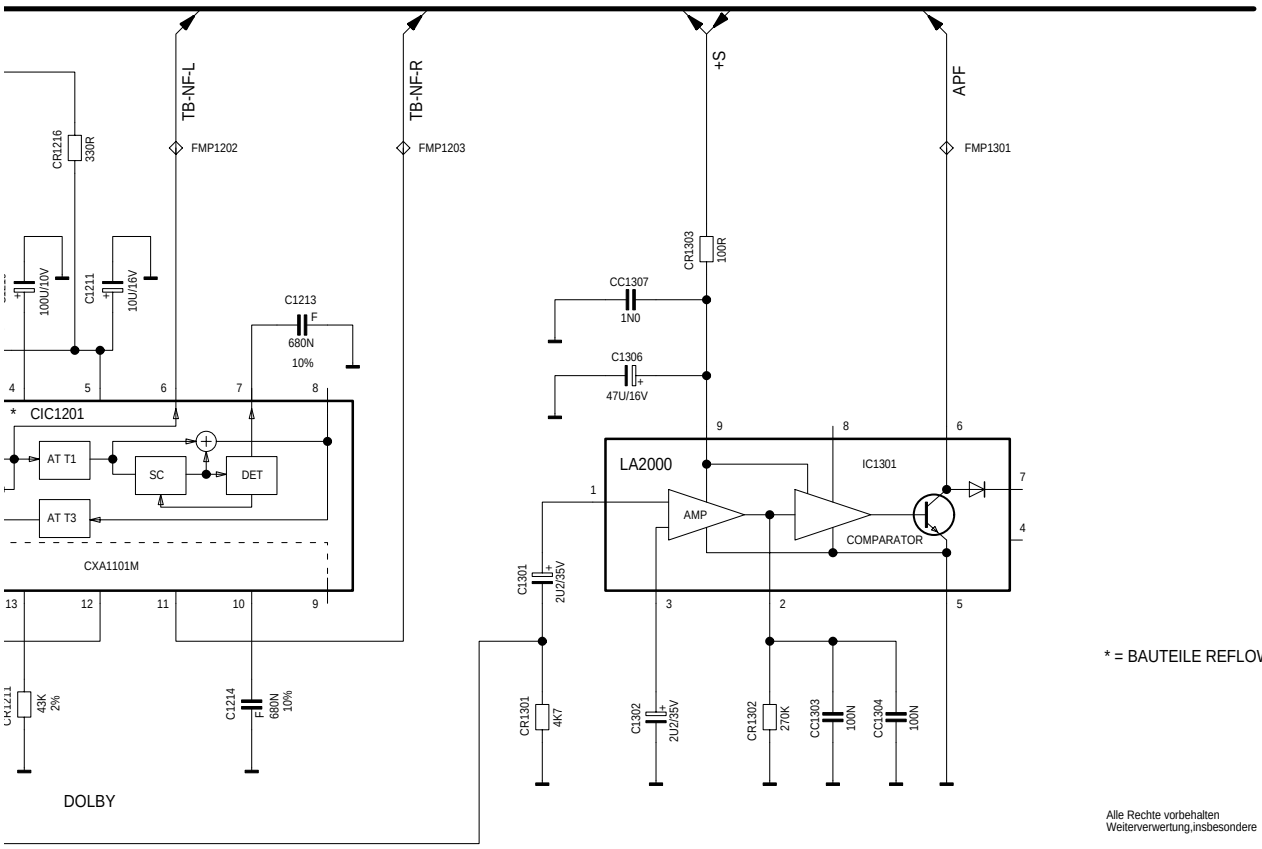


MESSPUNKTE	◇	1107 1108	1109 1111	1302	1303	1304	1306	1307	1308	
ABGLEICHPUNKTE	○									



1106 1103 1104 1102 1101 1201 1206

HAUPTPLATTE 19373-410.00
MAIN BOARD



APF-SCHALTUNG
AUTOMATIC SEARCH CIRCUIT

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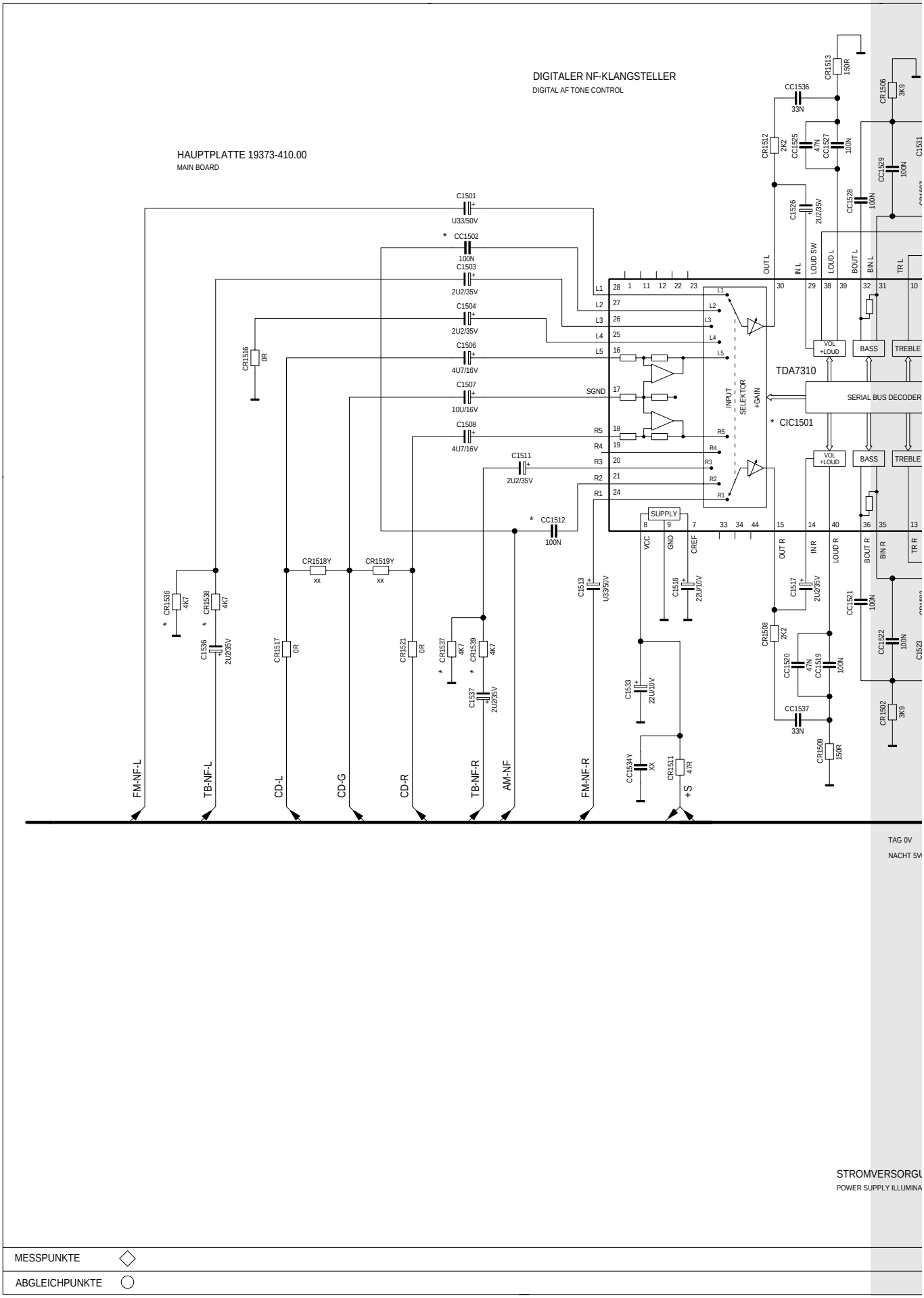
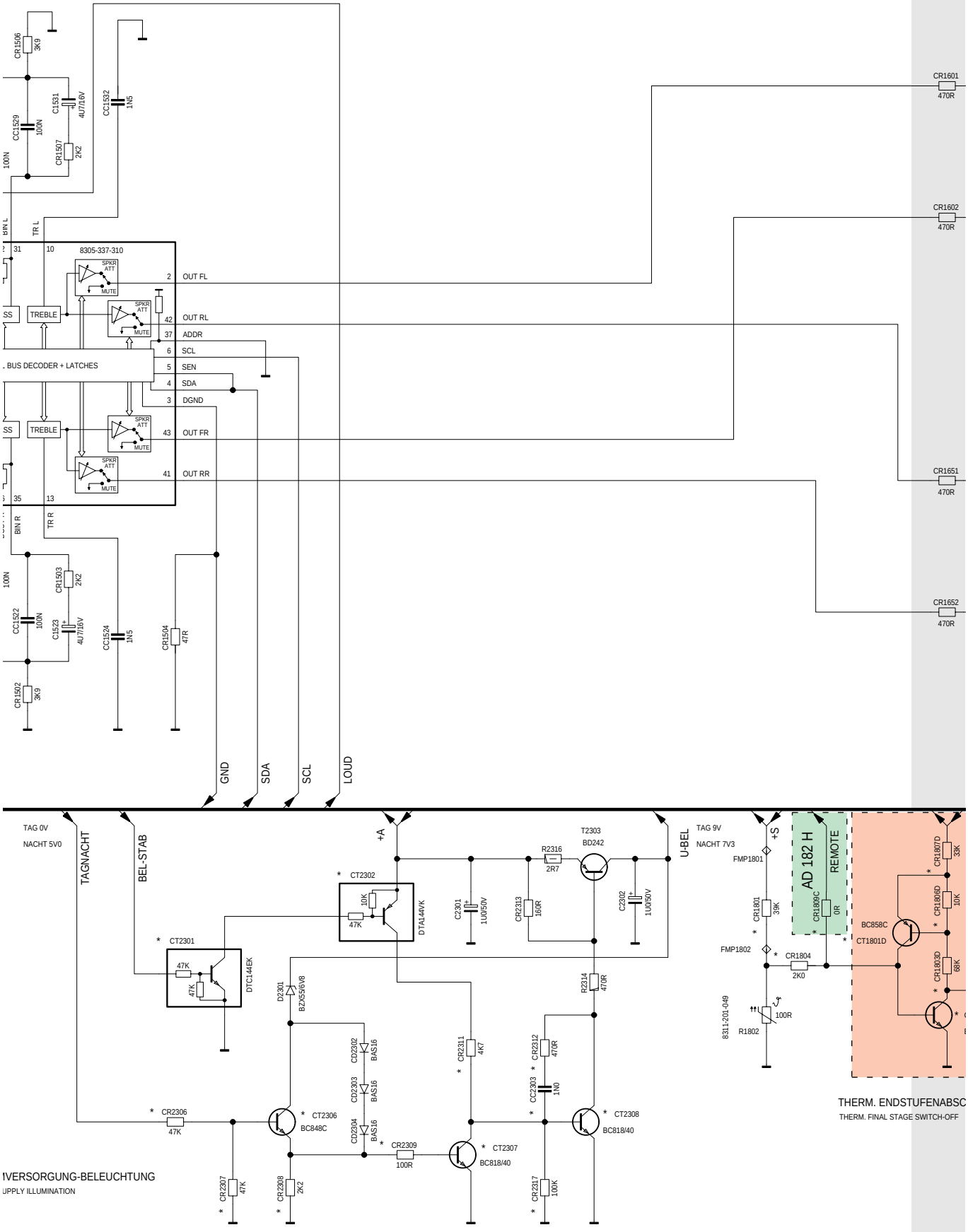
1202 1203 1301

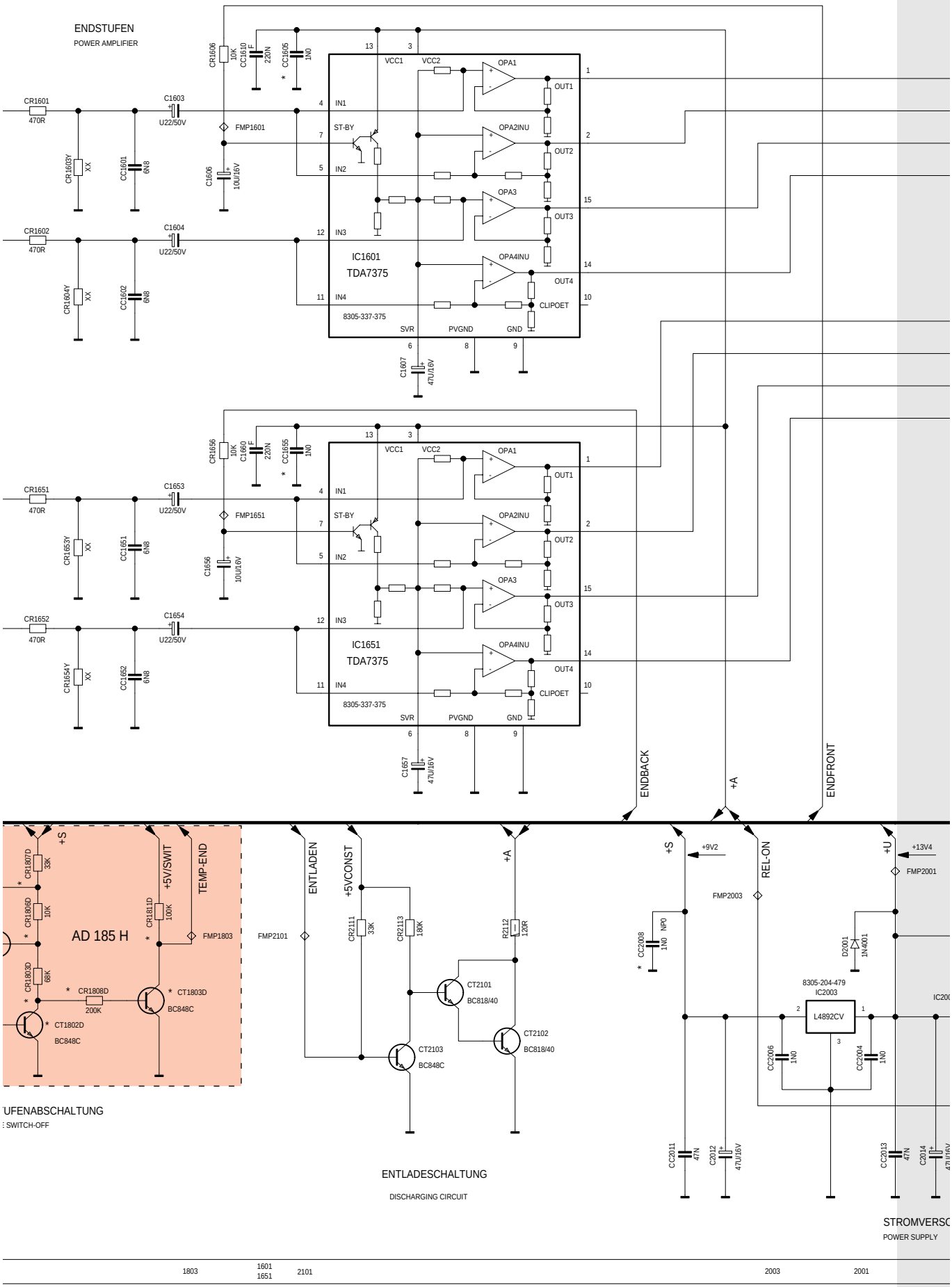
NF-Teil / AF Part

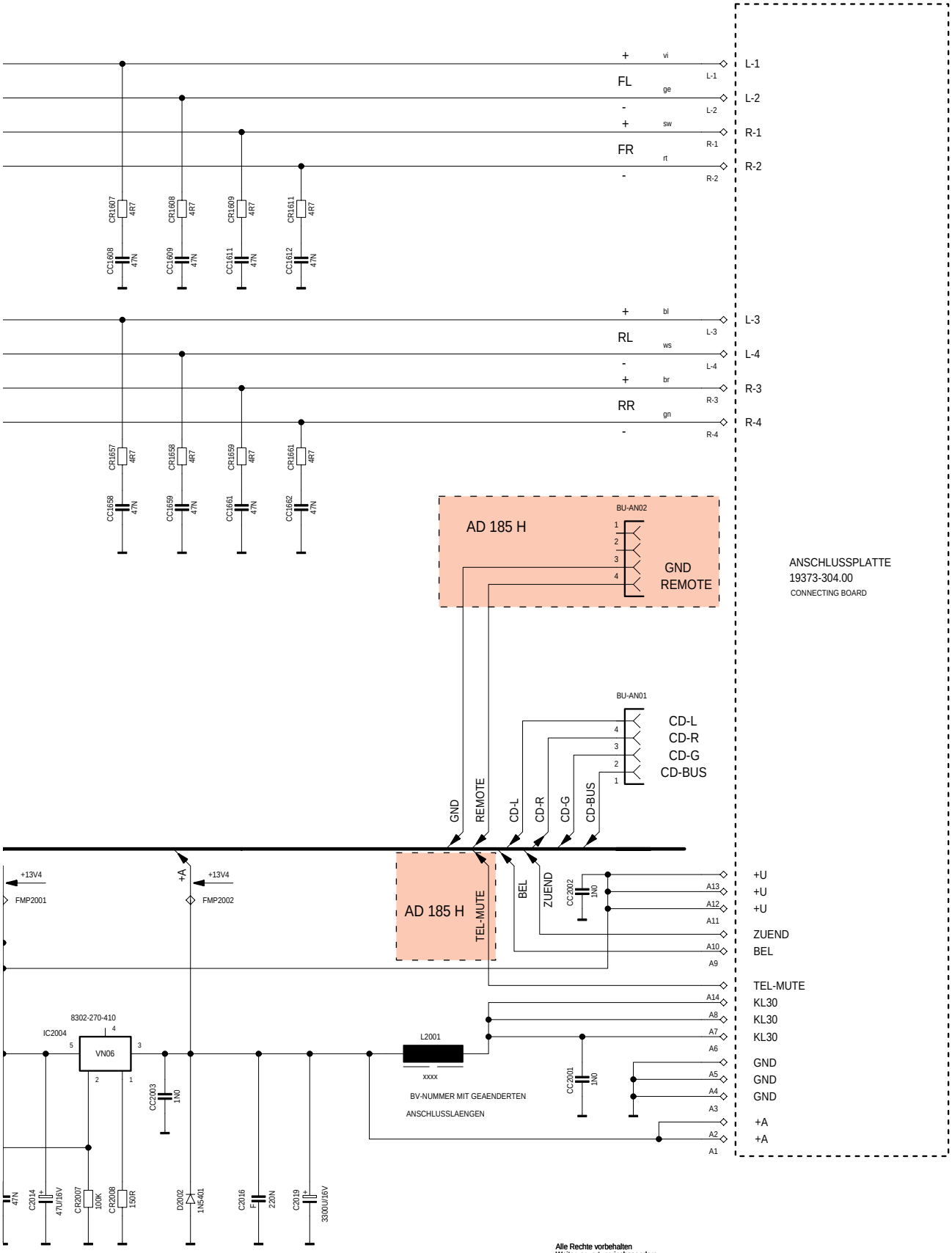


MESSPUNKTE ◇

ABGLEICHPUNKTE ○


CR1506 3K9
CC1529 100N
C1531 4U7/16V
CR1507 2K2
CC1532 1N5
8305-337-310
SPKR ATT
MUTE
TREBLE
OUT FL
OUT RL
ADDR
SCL
SEN
SDA
DGND
OUT FR
OUT RR
BUS DECODER + LATCHES
CR1503 2K2
CC1522 100N
C1523 4U7/16V
CC1524 1N5
CR1504 47R
CR1502 3K9
CR1601 470R
CR1602 470R
CR1651 470R
CR1652 470R
GND
SDA
SCL
LOUD
TAG 0V
NACHT 5V0
TAGNACHT
BEL-STAB
+A
U-BEL
TAG 9V
NACHT 7V3
+S
T2303 BD242
R2316 2R7
CT2302
CT2301
DTA144VK
DTC144EK
C2301 1U0/50V
CR2313 160R
C2302 1U0/50V
D2301 BZX55/6V8
R2314 470R
CD2302 BAS16
CD2303 BAS16
CD2304 BAS16
CR2311 4K7
CR2312 470R
CC2303 1N0
CR2306 47K
CT2306 BC848C
CR2309 100R
CT2307 BC818/40
CT2308 BC818/40
CR2307 47K
CR2308 2K2
CR2317 100K
FMP1801
FMP1802
CR1801 39K
CR1804 2K0
R1802 100R
8311-201-049
AD 182 H
REMOTE
CR1809C 0R
CR1807D 33K
CR1806D 10K
CR1803D 68K
BC858C
CT1801D
THERM. ENDSTUFENABSC
THERM. FINAL STAGE SWITCH-OFF
1801 1802


ENDSTUFEN
POWER AMPLIFIER
IC1601
TDA7375
IC1651
TDA7375
8305-337-375
VCC1
VCC2
OPA1
OPA2INU
OPA3
OPA4INU
ST-BY
SVR
PVGND
GND
CLIPOET
FMP1601
FMP1651
ENDBACK
+A
ENDFRONT
AD 185 H
+S
+5V/SWIT
TEMP-END
FMP1803
FMP2101
ENTLADEN
+5VCONST
FMP2003
REL-ON
+9V2
+U
+13V4
FMP2001
L4892CV
8305-204-479
IC2003
UFENABSCHALTUNG
SWITCH-OFF
ENTLADESCHALTUNG
DISCHARGING CIRCUIT
STROMVERSC
POWER SUPPLY



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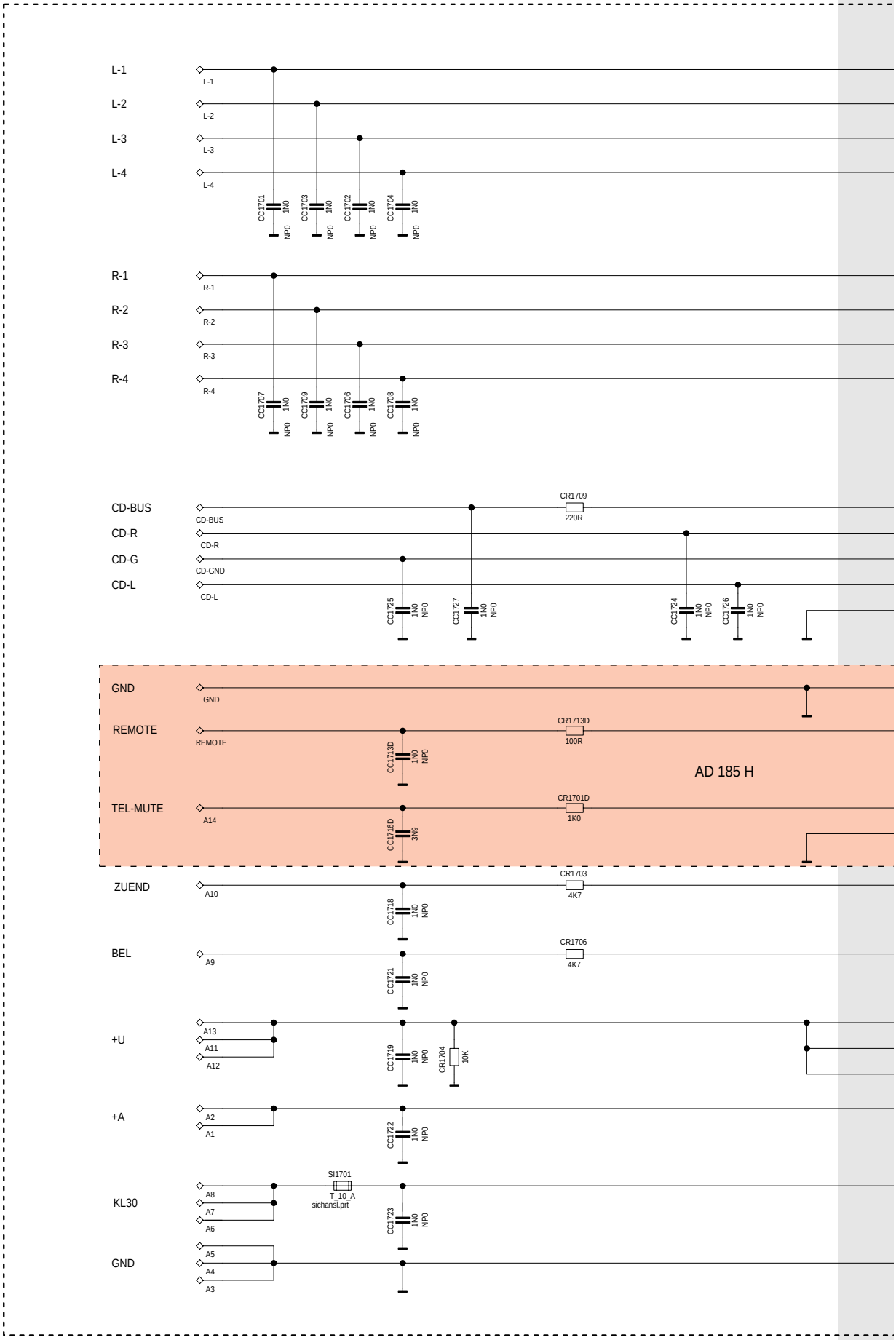
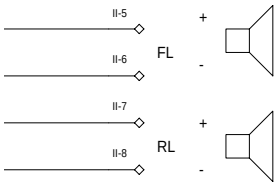
strafrechtlich verfolgt.

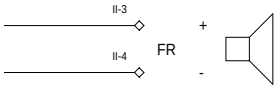
Anschlußplatte / Connecting Board



MESSPUNKTE

ABGLEICHPUNKTE

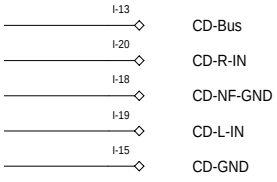


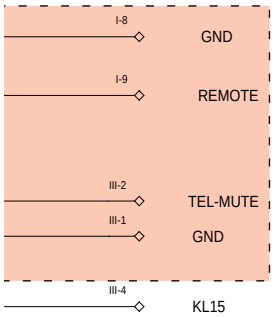


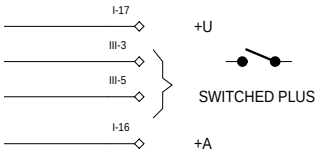
ANSCHLUSSPLATTE

19373-304.00

CONNECTING BOARD







KAMMER I

1		11	
2		12	
3		13	CD-BUS
4		14	
5		15	CD-GND
6		16	+A
7		17	+U
8	GND	18	CD - NF - G
9	REMOTE	19	CD - L - IN
10		20	CD - R - IN

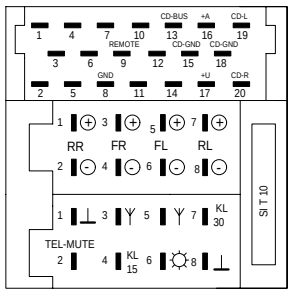
KAMMER II

1	RR	⊕
2	RR	⊖
3	FR	⊕
4	FR	⊖
5	FL	⊕
6	FL	⊖
7	RL	⊕
8	RL	⊖

KAMMER III

1	GND	
2	TEL-MUTE	
3	SWITCHED PLUS	
4	KL 15 IGN	
5	SWITCHED PLUS	
6	ILLUMINATION CONTACT 58	
7	+ PLUS CONTACT 30	
8	GROUND CONTACT 31	

ANSCHLUSSGEHAUESE
CONNECTION TERMINAL



I ZUSATZ-
ANSCHLUESSE

II LAUTSPRECHER-
ANSCHLUESSE

III VERSORGUNGS-
ANSCHLUESSE

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